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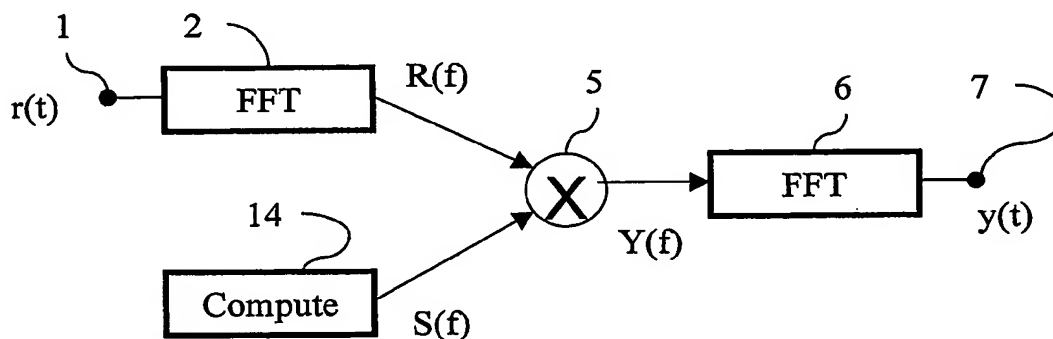
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(54) Title: MATCHED FILTERING



(57) Abstract: A signal is filtered by multiplying its Fourier transform by the Fourier transform of a reference sequence to which the filtering is to be matched. The reference sequence (e.g. a Golay sequence pair) is defined as an iterative combination of shorter sequences and its Fourier transform is generated by an iterative process of combining the Fourier transforms of a shorter starting sequence.